CLAIMS

Method of increasing/the effect of a cancer therapy, comprising the steps of:

delivering wild-type therapy-sensitizing gene activity to a tumor cell characterized by loss of said wildtype therapy-sensitizing gene activity, and

subjecting said/tumor cell to said cancer therapy.

- The method of claim 1, wherein a portion of a 10 therapy-sensitizing protein/with said therapy-sensitization gene activity is introduce into the tumor cell.
- The method of claim 1, wherein a portion of a 3. therapy-sensitizing gene or a portion of a cDNA encoding said therapy-sensitizing gene activity is introduced into the tumor cell.
- The method of claim 1 wherein said cancer therapy is radiation therapy. 20
 - 5. The method of claim 1 wherein said cancer therapy is chemotherapy.
 - The method of claim 1, wherein said cancer therapy is biological therapy.
 - The method of claim 1, wherein said cancer therapy is cryotherapy.
 - The method of claim 1, wherein said cancer 8. therapy is hyperthermia.
 - The method of claim 1 wherein said tumor cell is selected from the group consisting of carcinoma cells, sarcoma cells, central pervous system tumor cells, melanoma

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tumor cells, leukemia cells, lymphoma tumor cells, hematopoietic tumor cells, ovarian carcinoma cells, osteogenic sarcoma cells, lung carcinoma cells, colorectal carcinoma cells, hepatocellular carcinoma cells, glioblastoma cells, prostate cancer cells, breast cancer cells, bladder cancer cells, kidney cancer cells, pancreatic cancer cells, gastric cancer cells, esophageal cancer cells, anal cancer cells, biliary cancer cells, urogenital cancer cells, and head and neck cancer cells.

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- 10. The method of claim 3 wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is in a vector.
- 11. The method of claim 10, wherein said vector is selected from the group consisting of adenovirus vector, retroviral vector, adeno-associated virus vector, herpes virus vector, vaccinia virus vector and papilloma virus vector.

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12. The method of claim 3, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is coupled to a virus capsid or particle.

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13. The method of claim 12, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is coupled to said capsid or particle through a polylysine bridge.

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- 14. The method of claim 3, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is encapsulated in a liposome.
- 15. The method of claim 3, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is conjugated to a ligand.

16. The method of claim 15, wherein said ligand is an asialoglycoprotein.

17. The method of claim 3, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is introduced to said tumor cell by direct injection or aerosolized preparation.

18. The method of claim 3, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is introduced to said tumor cell by intra-arterial infusion.

19. The method of claim 3, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is introduced to said tumor cell by intracavitary infusion.

20. The method of claim 3, wherein said portion of a therapy-sensitizing gene or said portion of a cDNA is introduced to said tumor cell by intravenous infusion.

21. The method of claim 1, wherein said therapy-sensitizing gene activity is fas therapy-sensitizing activity.

22. The method of claim 1, wherein said therapy-sensitizing gene activity is p53 therapy-sensitizing activity.

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